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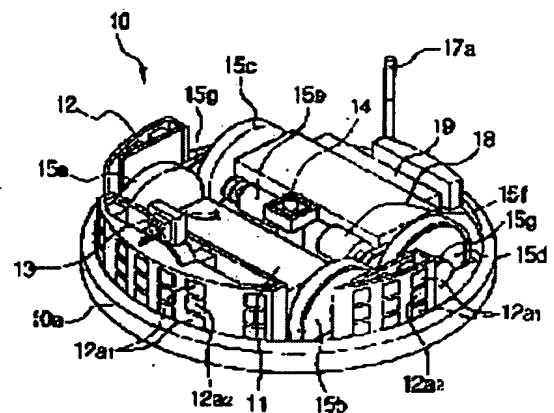
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(54) ROBOT CLEANER, SYSTEM FOR IT AND METHOD FOR CONNECTION TO EXTERNAL CHARGING DEVICE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a robot cleaner capable of performing connection by an external charging device efficiently and a method for connection to the external charging device.

SOLUTION: The cleaner includes driving parts 15 e, f and g for driving a plurality of rings 15a, b, c and d, a single camera 13 installed on a main body so as to pick up the image of an external environment, and a control part 18 which picks up an image by which a connecting position with the external charging device can be recognized by the camera for storing it, controls a driving part so as to move from the external charging device to a desired working place when a work instruction signal is received in the state of being connected with the external charging device and tracks the connecting position of the external charging device while comparing a present image picked up by the camera with the stored connecting position image of the charging device in the case of re-connecting by the external charging device. The robot cleaner 10 performs re-connecting to the external charging device by reducing positional recognition errors by using the charging position image of the charging device stored when being detached from the external charging device or when charging is required and an image picked up by the camera presently.



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